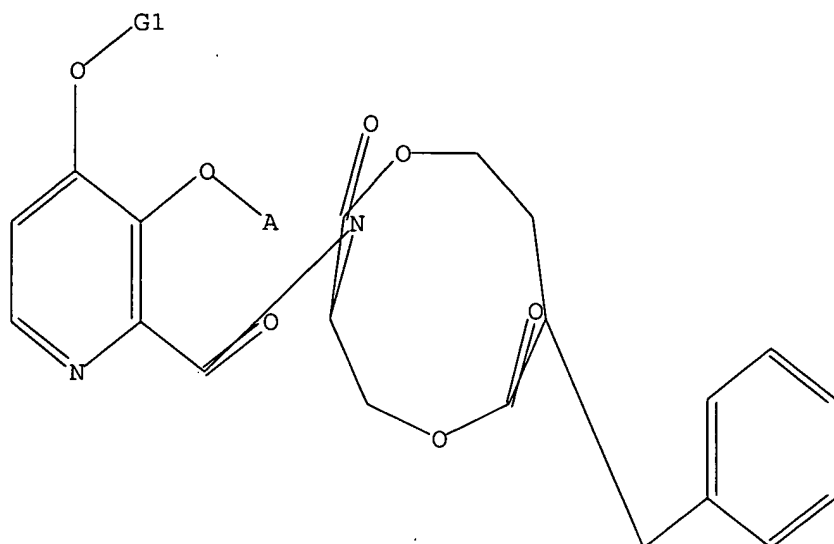


10/647,172

L17 HAS NO ANSWERS
L17 STR



G1 Me,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

Structure attributes must be viewed using STN Express query preparation.

=> s l17 sss full
FULL SEARCH INITIATED 13:06:09 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 261 TO ITERATE

100.0% PROCESSED 261 ITERATIONS 217 ANSWERS
SEARCH TIME: 00.00.01

L18 217 SEA SSS FUL L17

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-5.11

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 13:06:22 ON 08 APR 2005
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10/647,172

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FILE COVERS 1907 - 8 Apr 2005 VOL 142 ISS 16
FILE LAST UPDATED: 7 Apr 2005 (20050407/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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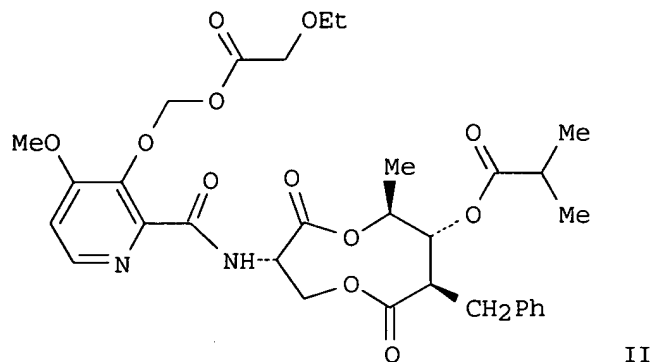
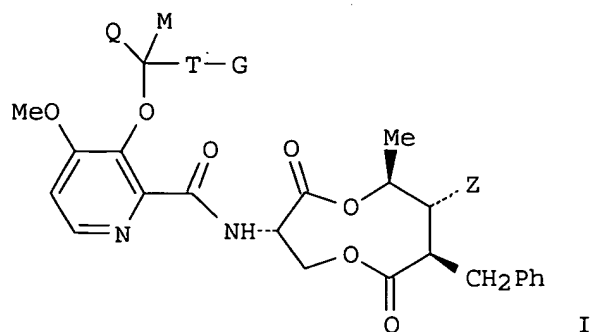
L19 7 L18

=> d 119 1-7 ibib abs hitstr

L19 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:335078 CAPLUS
DOCUMENT NUMBER: 138:337882
TITLE: Preparation of UK-2A derivatives as agricultural fungicides
INVENTOR(S): Meyer, Kevin Gerald; Rogers, Richard Brewer; Yao, Chenglin; Niyaz, Normohammed Mohamed; Adamski Butz, Jenifer Lynn; Nader, Bassam Salim
PATENT ASSIGNEE(S): Dow Agrosciences Llc Patent Department, USA
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

Assigned

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003035617	A2	20030501	WO 2002-US33947	20021023
WO 2003035617	A3	20031113		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1438306	A2	20040721	EP 2002-802199	20021023
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
JP 2005507921	T2	20050324	JP 2003-538133	20021023
US 2004192924	A1	20040930	US 2004-493456	20040423
US 6861390	B2	20050301		
PRIORITY APPLN. INFO.:			US 2001-335814P	P 20011023
			WO 2002-US33947	W 20021023
OTHER SOURCE(S):	MARPAT 138:337882			
GI				



AB Derivs. of UK-2A of formula I [Z = H, alkoxy, acyl, OC(O)Oalkyl, OC(O)dialkylamino, etc.; Q, M = H, Me, Et, CF₃, Ph, vinyl, cyclopropyl; T = O, OC(O), OCO₂, S, SC(O), SCO₂; G = H, alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl] are provided for the treatment of plant fungal diseases. Thus, II was prepared from UK-2A. The prepared compds. were tested for control of in vivo whole plant fungal infection.

IT 512192-31-3P 512192-33-5P 512192-36-8P
 517875-15-9P 517875-16-0P 517875-17-1P
 517875-18-2P 517875-19-3P 517875-20-6P
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 517875-79-5P 517875-80-8P 517875-81-9P
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 517875-85-3P 517875-86-4P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

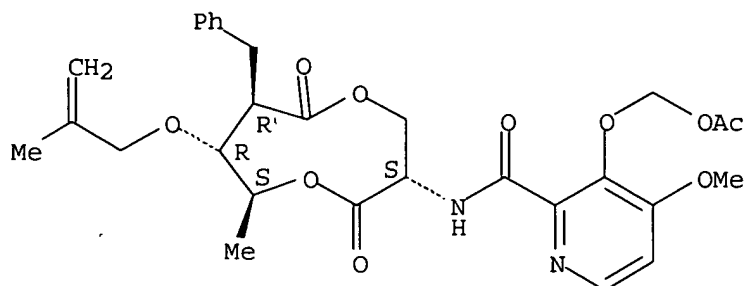
(preparation of UK-2A derivs. as agricultural fungicides)

10/647,172

RN 512192-31-3 CAPLUS

CN 2-Pyridinecarboxamide, 3-[(acetyloxy)methoxy]-4-methoxy-N-[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-2-propenyl)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]- (9CI) (CA INDEX NAME)

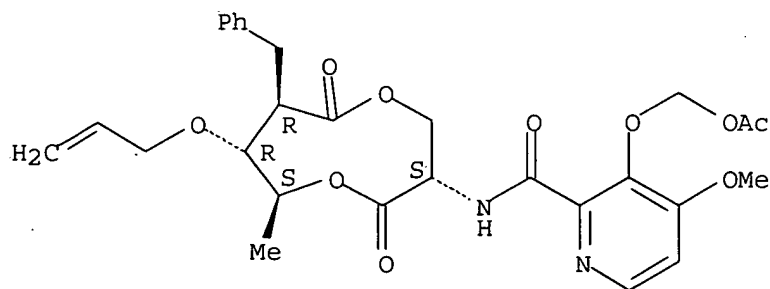
Absolute stereochemistry.



RN 512192-33-5 CAPLUS

CN 2-Pyridinecarboxamide, 3-[(acetyloxy)methoxy]-4-methoxy-N-[(3S,7R,8R,9S)-9-methyl-2,6-dioxo-7-(phenylmethyl)-8-(2-propenyloxy)-1,5-dioxonan-3-yl]- (9CI) (CA INDEX NAME)

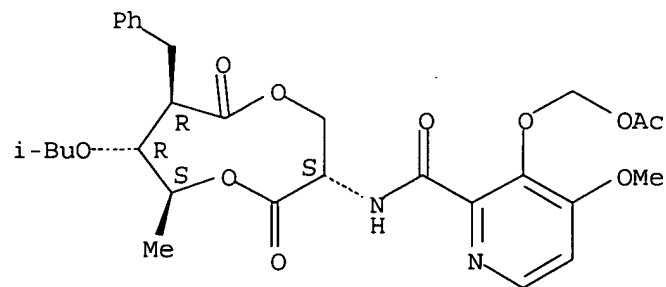
Absolute stereochemistry.



RN 512192-36-8 CAPLUS

CN 2-Pyridinecarboxamide, 3-[(acetyloxy)methoxy]-4-methoxy-N-[(3S,7R,8R,9S)-9-methyl-8-(2-methylpropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]- (9CI) (CA INDEX NAME)

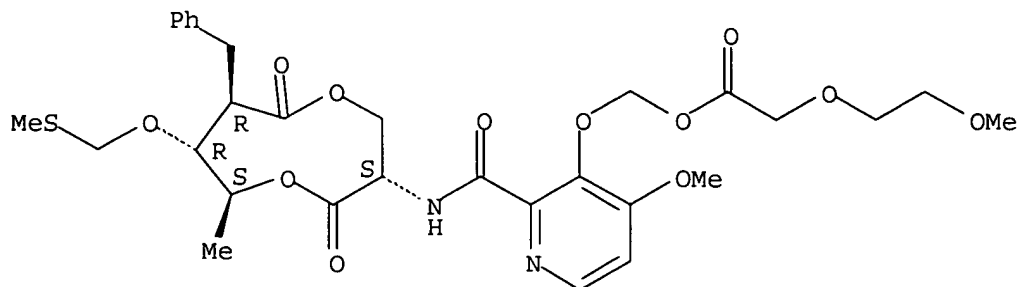
Absolute stereochemistry.



RN 517875-15-9 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[4-methoxy-3-(methoxymethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

10/647,172

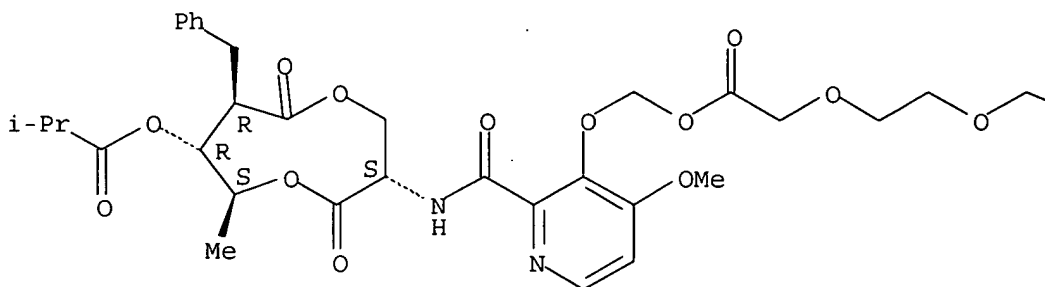


RN 517875-86-4 CAPLUS

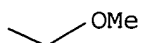
CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[4-methoxy-3-[(3-oxo-2,5,8,11-tetraoxadodec-1-yl)oxy]-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



L19 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:301046 CAPLUS

DOCUMENT NUMBER: 138:321054

TITLE: Process to produce alkyl-ether derivatives of UK-2A

INVENTOR(S): Niyaz, Normohammed Mohamed; Deamicis, Carl Vincent; Rogers, Richard Brewer; Meyer, Kevin Gerald; Dent, William Hunter, III; Anzeveno, Peter Biagio

PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA

SOURCE: PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003031403	A2	20030417	WO 2002-US31848	20021004
WO 2003031403	A3	20030918		

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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PRIORITY APPLN. INFO.:

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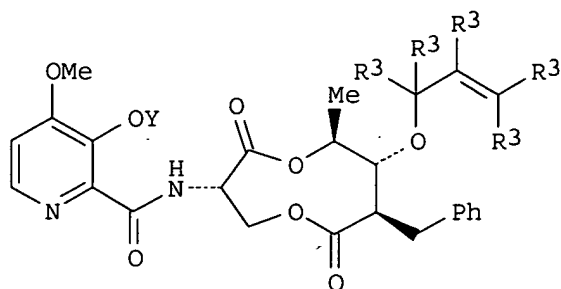
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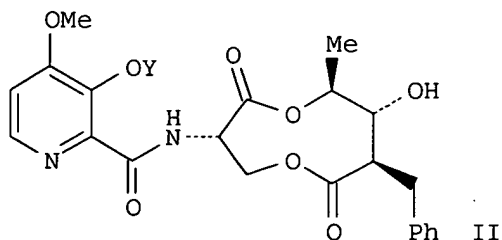
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MARPAT 138:321054

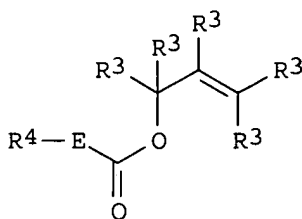
GI



I



II



III

AB A process is disclosed for the preparation of allyl-alkyl ether derivs. I [Y = H, benzyl, Si(alkyl)₃, etc.; R₃ = H, alk(en/yn)yl, cycloalkyl, (hetero)aryl] of antibiotic UK-2A. The process is comprised of coupling II with III [E = O, NR₆; R₄, R₆ = alkyl, aryl] in the presence of a catalyst complex and solvent. For instance II [Y = PhCH₂] was coupled to Et methallylcarbonate (dppf, Pd₂dba₃) to give the corresponding methallyl derivative of I. Several examples are provided and subsequent sidechain reduction is also described.

IT 496781-72-7P 512192-28-8P 512192-29-9P

512192-30-2P 512192-31-3P 512192-32-4P

512192-33-5P 512192-34-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

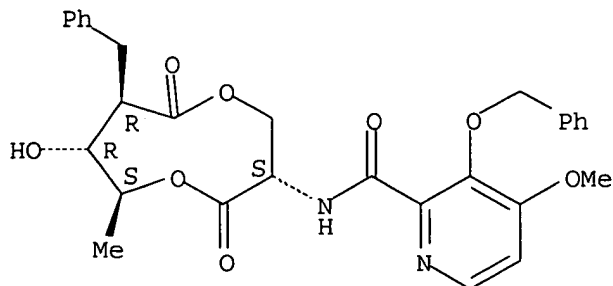
(palladium catalyzed allylation process to produce alkyl-ether derivs. of UK-2A)

RN 496781-72-7 CAPLUS

10/647,172

CN 2-Pyridinecarboxamide, N-[(3S,7R,8R,9S)-8-hydroxy-9-methyl-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]-4-methoxy-3-(phenylmethoxy)- (9CI) (CA INDEX NAME)

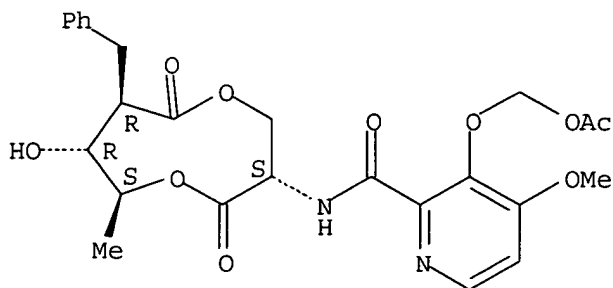
Absolute stereochemistry.



RN 512192-28-8 CAPLUS

CN 2-Pyridinecarboxamide, 3-[(acetyloxy)methoxy]-N-[(3S,7R,8R,9S)-8-hydroxy-9-methyl-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]-4-methoxy- (9CI) (CA INDEX NAME)

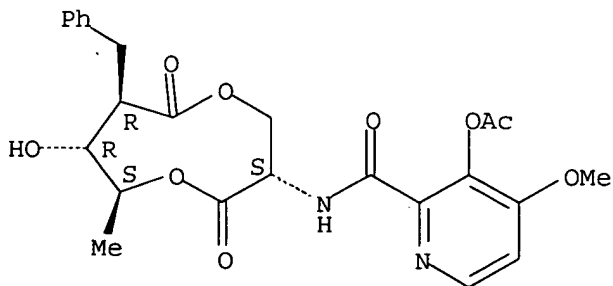
Absolute stereochemistry.



RN 512192-29-9 CAPLUS

CN 2-Pyridinecarboxamide, 3-(acetyloxy)-N-[(3S,7R,8R,9S)-8-hydroxy-9-methyl-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]-4-methoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

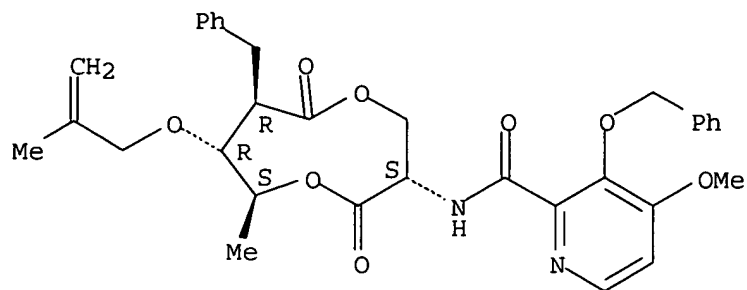


RN 512192-30-2 CAPLUS

CN 2-Pyridinecarboxamide, 4-methoxy-N-[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-2-propenyl)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]-3-(phenylmethoxy)- (9CI) (CA INDEX NAME)

10/647,172

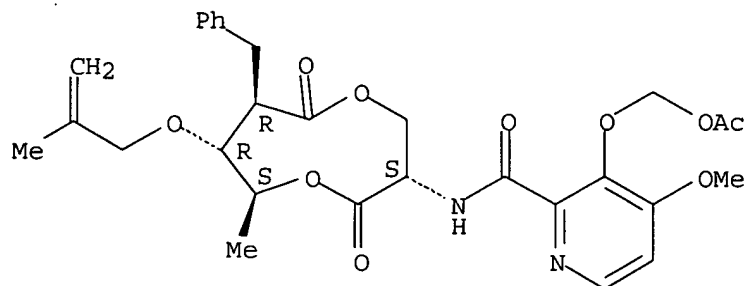
Absolute stereochemistry.



RN 512192-31-3 CAPLUS

CN 2-Pyridinecarboxamide, 3-[(acetyloxy)methoxy]-4-methoxy-N-[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-2-propenyl)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]- (9CI) (CA INDEX NAME)

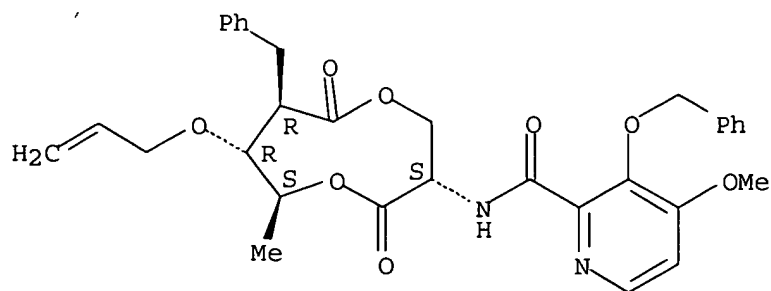
Absolute stereochemistry.



RN 512192-32-4 CAPLUS

CN 2-Pyridinecarboxamide, 4-methoxy-N-[(3S,7R,8R,9S)-9-methyl-2,6-dioxo-7-(phenylmethyl)-8-(2-propenyloxy)-1,5-dioxonan-3-yl]-3-(phenylmethoxy)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

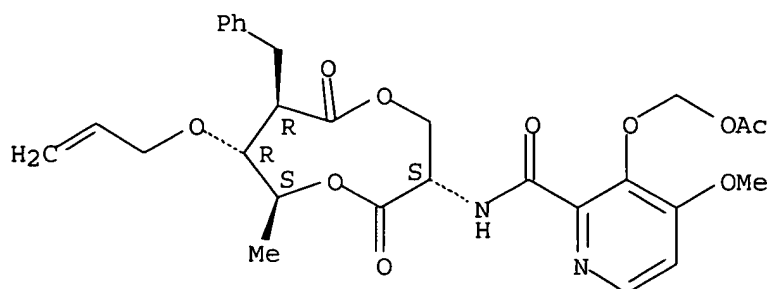


RN 512192-33-5 CAPLUS

CN 2-Pyridinecarboxamide, 3-[(acetyloxy)methoxy]-4-methoxy-N-[(3S,7R,8R,9S)-9-methyl-2,6-dioxo-7-(phenylmethyl)-8-(2-propenyloxy)-1,5-dioxonan-3-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

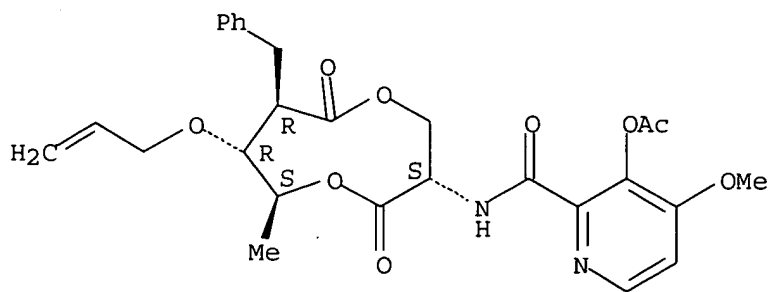
10/647,172



RN 512192-34-6 CAPLUS

CN 2-Pyridinecarboxamide, 3-(acetyloxy)-4-methoxy-N-[(3S,7R,8R,9S)-9-methyl-2,6-dioxo-7-(phenylmethyl)-8-(2-propenyloxy)-1,5-dioxonan-3-yl]- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



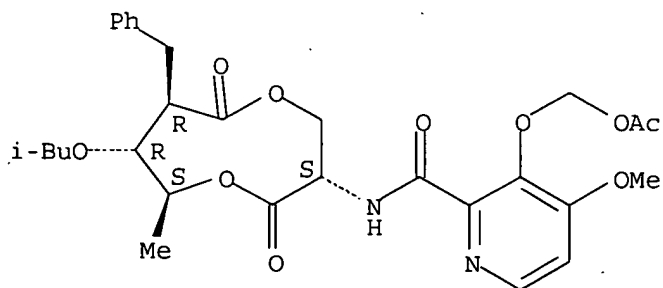
IT 512192-36-8P 512192-38-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(palladium catalyzed allylation process to produce alkyl-ether derivs.
of UK-2A)

RN 512192-36-8 CAPLUS

CN 2-Pyridinecarboxamide, 3-[(acetyloxy)methoxy]-4-methoxy-N-[(3S,7R,8R,9S)-9-methyl-8-(2-methylpropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]- (9CI) (CA INDEX NAME)

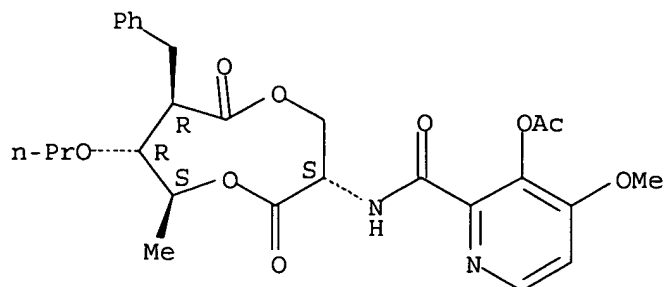
Absolute stereochemistry.



RN 512192-38-0 CAPLUS

CN 2-Pyridinecarboxamide, 3-(acetyloxy)-4-methoxy-N-[(3S,7R,8R,9S)-9-methyl-2,6-dioxo-7-(phenylmethyl)-8-propoxy-1,5-dioxonan-3-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L19 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2003:117821 CAPLUS

DOCUMENT NUMBER: 138:153370

TITLE: Preparation of UK-2A derivatives via reductive cleavage of the exocyclic ester of UK-2A or its derivatives

INVENTOR(S): Meyer, Kevin Gerald; Niyaz, Normohammed Mohamed; Deamicis, Carl Vincent; Rogers, Richard Brewer

PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA

SOURCE: PCT Int. Appl., 15 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

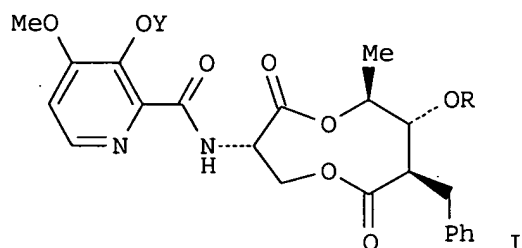
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

Assigned

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WO 2003011857	A1	20030213	WO 2002-US24204	20020731
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BR 2002011534	A	20040713	BR 2002-11534	20020731
JP 2005501836	T2	20050120	JP 2003-517049	20020731
US 2004171838	A1	20040902	US 2004-483947	20040115
PRIORITY APPLN. INFO.:			US 2001-308939P	P 20010731
			WO 2002-US24204	W 20020731
OTHER SOURCE(S):	CASREACT 138:153370; MARPAT 138:153370			
GI				



AB The present invention discloses a process for the preparation of UK-2A derivs., such as I [R = H; Y = H, (un)substituted benzyl, CH₂OC₁₋₈ alkyl, CH₂OC₃₋₈ cycloalkyl, allyl, (un)substituted tetrahydropyranyl, (un)substituted tetrahydrofuranyl, Si(C₁₋₄ alkyl)₃, and Si(Ph)_x(C₁₋₄ alkyl)_{3-x} where x = 1-3], via reductive cleavage of the exocyclic ester of UK-2A I [R = OCOCH(Me)₂; Y = H (II)] or its derivs., such as I [R = COCH(Me)₂; Y = H, (un)substituted benzyl, CH₂OC₁₋₈ alkyl, CH₂OC₃₋₈ cycloalkyl, allyl, (un)substituted tetrahydropyranyl, (un)substituted tetrahydrofuranyl, Si(C₁₋₄ alkyl)₃, and Si(Ph)_x(C₁₋₄ alkyl)_{3-x} where x = 1-3], in the presence of a reducing agent and in the presence of an aprotic solvent. Thus, II was reacted with benzyl bromide to afford O-benzylated derivative I [R = OCOCH(Me)₂; Y = CH₂Ph], which was treated with diisobutylaluminum hydride to afford UK-2A derivative I [R = H; Y = CH₂Ph].

IT **234112-89-1P**

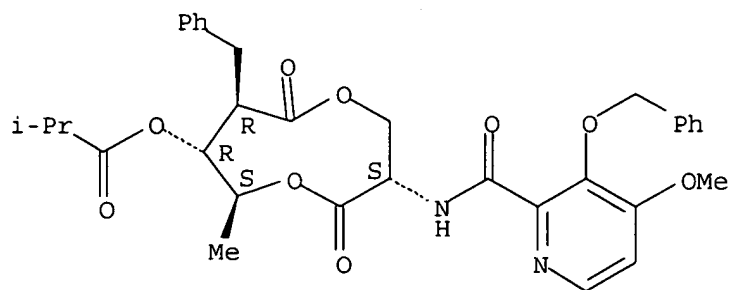
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of UK-2A derivs. via reductive cleavage of the exocyclic ester of UK-2A or its derivs.)

RN 234112-89-1 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[4-methoxy-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **496781-72-7P**

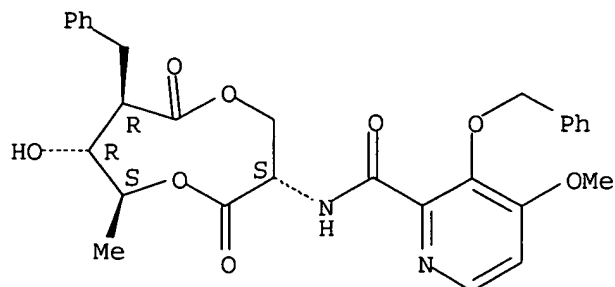
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(preparation of UK-2A derivs. via reductive cleavage of the exocyclic ester of UK-2A or its derivs.)

RN 496781-72-7 CAPLUS

CN 2-Pyridinecarboxamide, N-[(3S,7R,8R,9S)-8-hydroxy-9-methyl-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]-4-methoxy-3-(phenylmethoxy)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2001:152650 CAPLUS

DOCUMENT NUMBER: 134:207831

TITLE: Preparation, composition and use of heterocyclic aromatic amides as fungicides

INVENTOR(S): Ricks, Michael John; Dent, William Hunter, III; Rogers, Richard Brewer; Yao, Chenglin; Nader, Bassam Salim; Miesel, John Louis; Fitzpatrick, Gina Marie; Meyer, Kevin Gerald; Niyaz, Noormohamed Mohamed; Morrison, Irene Mae; Henry, Matthew James; Adamski, Butz Jenifer Lynn; Gajewski, Robert Peter

PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA

SOURCE: PCT Int. Appl., 200 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

= present

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001014339	A2	20010301	WO 2000-US21523	20000804
WO 2001014339	A3	20011115		
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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CA 2376275	AA	20010301	CA 2000-2376275	20000804
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AU 778108	B2	20041118		
US 6355660	B1	20020312	US 2000-632930	20000804
EP 1204643	A2	20020515	EP 2000-952599	20000804
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EP 1234823	A3	20030618		
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IE, SI, LT, LV, FI, RO, MK, CY, AL				
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EP 1234825	A3	20030618		
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IE, SI, LT, LV, FI, RO, MK, CY, AL				
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EP 1234826	A3	20030618		
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IE, SI, LT, LV, FI, RO, MK, CY, AL				
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EP 1234827	A3	20030618		
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IE, SI, LT, LV, FI, RO, MK, CY, AL				
TR 200200409	T2	20030321	TR 2002-200200409	20000804
BR 2000013469	A	20030429	BR 2000-13469	20000804
JP 2003527324	T2	20030916	JP 2001-518428	20000804
EP 1486489	A2	20041215	EP 2004-22082	20000804
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
IE, FI, CY				
EP 1493733	A2	20050105	EP 2004-22081	20000804
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IE, FI, CY				
US 2002177578	A1	20021128	US 2001-22413	20011213
US 2003018052	A1	20030123	US 2001-22207	20011213
US 2003018012	A1	20030123	US 2001-22511	20011213
US 6706740	B2	20040316		
US 2003022902	A1	20030130	US 2001-22483	20011213
US 2003022903	A1	20030130	US 2001-23497	20011213
ZA 2002000435	A	20030117	ZA 2002-435	20020117
US 2004034025	A1	20040219	US 2002-307844	20021202
US 2004048864	A1	20040311	US 2002-307710	20021202
PRIORITY APPLN. INFO.:			US 1999-149977P	P 19990820
			US 1999-150248P	P 19990823
			US 2000-620662	A 20000720
			US 1999-144676P	P 19990720
			EP 2000-952599	A3 20000804
			US 2000-632930	A3 20000804
			WO 2000-US21523	W 20000804
OTHER SOURCE(S):		MARPAT 134:207831		
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. [I; wherein X1-X4 independently = O, S, NR1, N, CR2, bond; R1 = H, C1-3 alkyl, C2-3 alkenyl, C2-3 alkynyl, OH, CHF2, C1-4 alkoxy; R2 = H, F, Cl, Br, CN, OH, C1-3 alkyl, C1-3 haloalkyl cyclopropyl, C1-3 alkoxy; Z = O, S, NOH, NOR3; R3 = C1-3 alkyl; A = C1-14 alkyl, C1-14 alkynyl, C1-14 cycloalkyl, aryl, heteroaryl, Q; M = H, Si(t-Bu)Me2, Si(Ph)Me2, SiEt3, CZR4, SO2R5; R4 = H, C1-6 alkyl, C2-6 alkenyl, C2-6 alkynyl; R5 = aryl, heteroaryl, C1-6 alkyl, C2-6 alkenyl, C3-6 alkenyl, C3-6 alkynyl, C3-6 cycloalkyl; X, Y independently = O, S; W = O, CH2, bond; R = C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, C3-8 cycloalkyl, aryl, heteroaryl; R11 = H, C1-3 alkyl, C2-5 alkenyl, C2-5 alkynyl; R10 = H, R, OR, OCOR, OCOOR; R8, R9 independently = H, C1-6 alkyl, C2-6 alkenyl; R6, R7 independently = H, C1-6 alkyl, C2-6 alkenyl, C2-5 alkynyl, C3-6 cycloalkyl] are prepared as fungicides involving application methods of effective usage of title compds. to control fungi, particularly plant pathogens and wood decaying

fungi. The invention also encompasses hydrates, salts and complexes thereof. The title compound II was prepared and tested as fungicide.

IT **321601-47-2**

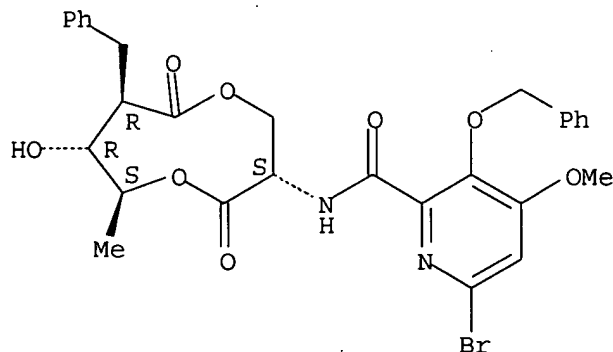
RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation and fungicidal activity of heterocyclic aromatic amides)

RN 321601-47-2 CAPLUS

CN 2-Pyridinecarboxamide, 6-bromo-N-[(3S,7R,8R,9S)-8-hydroxy-9-methyl-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]-4-methoxy-3-(phenylmethoxy)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **321597-69-7P 321597-70-0P 321597-71-1P**

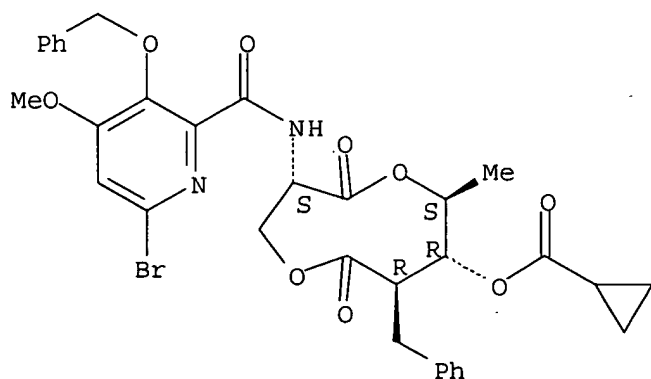
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and fungicidal activity of heterocyclic aromatic amides)

RN 321597-69-7 CAPLUS

CN Cyclopropanecarboxylic acid, (3S,6S,7R,8R)-3-[[[6-bromo-4-methoxy-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

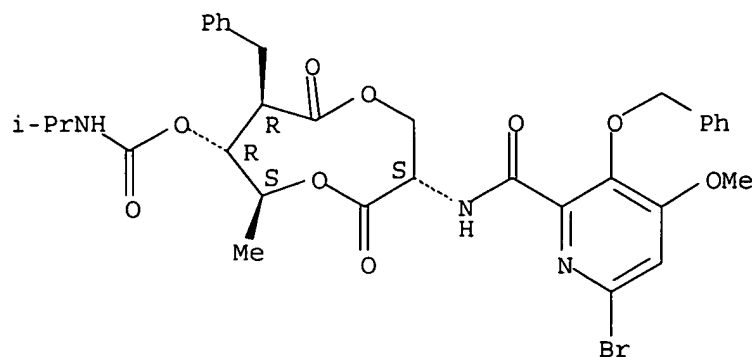


RN 321597-70-0 CAPLUS

CN Carbamic acid, (1-methylethyl)-, (3S,6S,7R,8R)-3-[[[6-bromo-4-methoxy-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

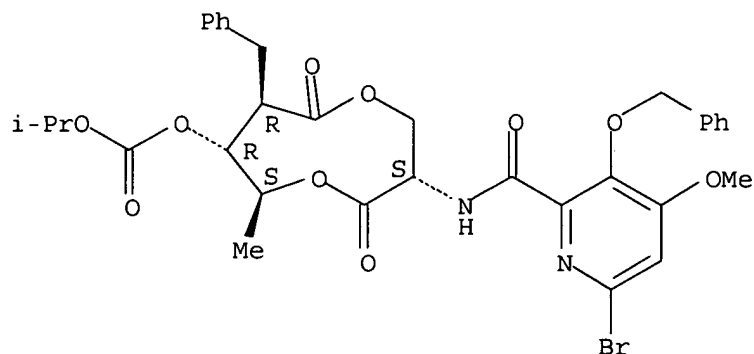
10/647,172



RN 321597-71-1 CAPLUS

CN Carbonic acid, (3S,6S,7R,8R)-3-[[[6-bromo-4-methoxy-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl 1-methylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 328255-87-4P 328255-88-5P 328255-89-6P
328255-90-9P 328255-91-0P 328255-92-1P
328255-93-2P 328255-94-3P 328255-95-4P
328255-96-5P 328255-97-6P 328256-00-4P
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328256-15-1P 328256-16-2P 328256-17-3P
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328256-40-2P 328256-42-4P 328256-45-7P
328256-47-9P 328256-56-0P 328256-57-1P
328256-58-2P 328256-59-3P 328256-60-6P
328256-61-7P 328256-62-8P 328256-63-9P
328256-64-0P 328256-65-1P 328256-66-2P
328256-67-3P 328256-68-4P 328256-76-4P
328256-78-6P 328256-81-1P 328256-83-3P
328256-85-5P 328256-86-6P 328256-87-7P
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328257-06-3P 328257-07-4P 328257-08-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

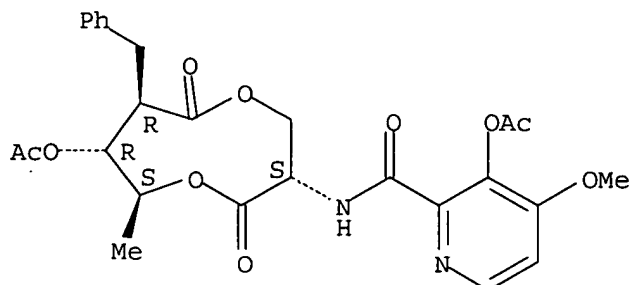
(preparation of heterocyclic aromatic amides as fungicides)

RN 328255-87-4 CAPLUS

10/647,172

CN 2-Pyridinecarboxamide, 3-(acetyloxy)-N-[(3S,7R,8R,9S)-8-(acetyloxy)-9-methyl-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]-4-methoxy- (9CI) (CA INDEX NAME)

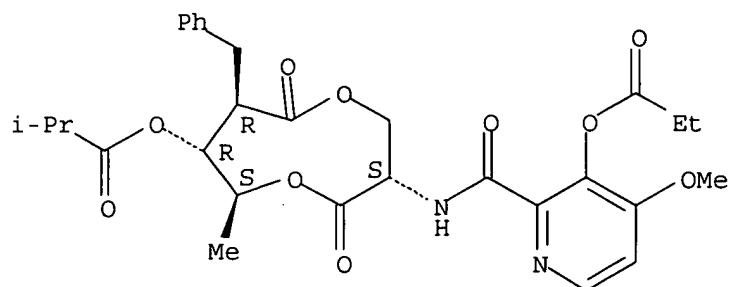
Absolute stereochemistry.



RN 328255-88-5 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[4-methoxy-3-(1-oxopropoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

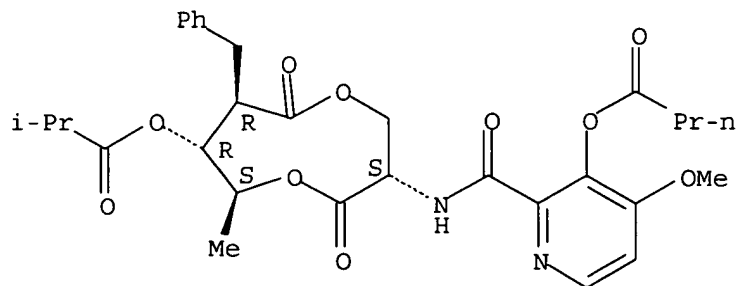
Absolute stereochemistry.



RN 328255-89-6 CAPLUS

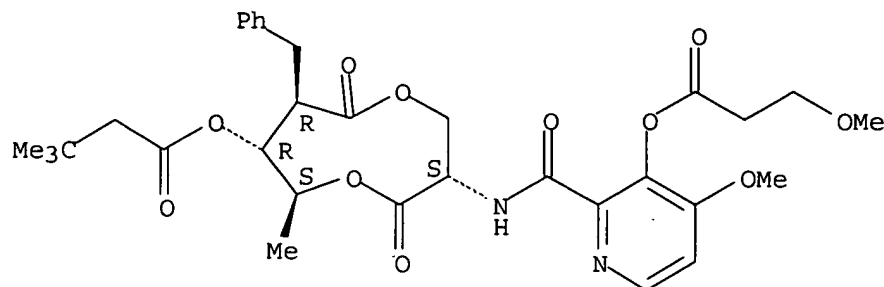
CN Butanoic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 328255-90-9 CAPLUS

CN 2-Butenoic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl ester, (2E)- (9CI) (CA INDEX NAME)



L19 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STM

ACCESSION NUMBER: 2001:63978 CAPLUS

DOCUMENT NUMBER: 134:131431

TITLE: Fungicidal heterocyclic aromatic amides and their compositions, methods of use and preparation

INVENTOR(S): Ricks, Michael John; Dent, William Hunter, III; Rogers, Richard Brewer; Yao, Chenglin; Nader, Bassam Salim; Miesel, John Louis; Fitzpatrick, Gina Marie; Meyer, Kevin Gerald; Niyaz, Noormohamed Mohamed; Morrison, Irene Mae; Gajewski, Robert Peter

PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA

SOURCE: PCT Int. Appl., 159 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

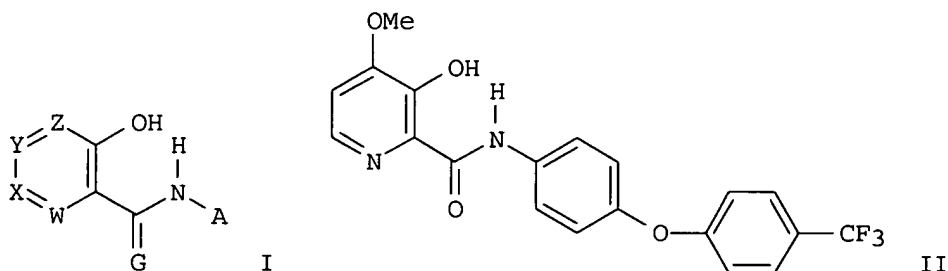
PATENT INFORMATION:

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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001005769	A2	20010125	WO 2000-US19794	20000720
WO 2001005769	A3	20011122		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2374995	AA	20010125	CA 2000-2374995	20000720
EP 1196388	A2	20020417	EP 2000-950470	20000720
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JP 2003528806	T2	20030930	JP 2001-511430	20000720
BR 2000012615	A	20040330	BR 2000-12615	20000720
TR 200200587	T2	20041221	TR 2002-200200587	20000720
EP 1516874	A1	20050323	EP 2004-27006	20000720
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US 2002177578	A1	20021128	US 2001-22413	20011213
US 2003018052	A1	20030123	US 2001-22207	20011213
US 2003018012	A1	20030123	US 2001-22511	20011213

US 6706740	B2	20040316		
US 2003022902	A1	20030130	US 2001-22483	20011213
US 2003022903	A1	20030130	US 2001-23497	20011213
ZA 2002000436	A	20040302	ZA 2002-436	20020117
US 2004034025	A1	20040219	US 2002-307844	20021202
US 2004048864	A1	20040311	US 2002-307710	20021202
PRIORITY APPLN. INFO.:			US 1999-144676P	P 19990720
			US 1999-149977P	P 19990820
			US 1999-150248P	P 19990823
			EP 2000-950470	A3 20000720
			US 2000-620662	A3 20000720
			WO 2000-US19794	W 20000720
			US 2000-632930	A3 20000804

OTHER SOURCE(S): MARPAT 134:131431
GI



AB Title compds. I [W, X, Y, Z are selected from S, O, NR1, N, CR2 or bond and comprise a 5-6 membered (un)substituted heterocyclic ring; R1 = H, alkyl, alkenyl, alkynyl, OH, acyloxy, alkoxy, methyl, CHF2, cyclopropyl, or alkoxy; R2 = H, halo, CN, OH, alkyl, haloalkyl, cyclopropyl, alkoxy, haloalkoxy, etc.; G = O, S or NOR3 where R3 = H or alkyl; A = (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, unsatd. cycloalkyl, heterocycle, bi or tricyclic ring system which may contain heteroatoms, aryl or heteroaryl, etc.] bearing a hydroxy group adjacent to the amide functionality are prepared and disclosed as antifungal agents, particularly for plants. Thus, pyridinyl carboxamide II was prepared via amidation of 3-benzyloxy-6-bromo-4-methoxypyridin-2-carbonyl chloride with 4-(4-trifluoromethylphenoxy)aniline with subsequent deprotection. The preferred fungicidal composition consists of a compound of formula I with a phytol. acceptable carrier. Activity has been demonstrated against a variety of fungi, e.g., *Plasmopara viticola* (Downy Mildew of Grape), *Phytophthora infestans* (Late Blight of Tomato), and *Venturia inaequalis* (Apple Scab). I is both useful for eradication and prevention of fungal attack.

IT 321601-47-2

RL: RCT (Reactant); RACT (Reactant or reagent)

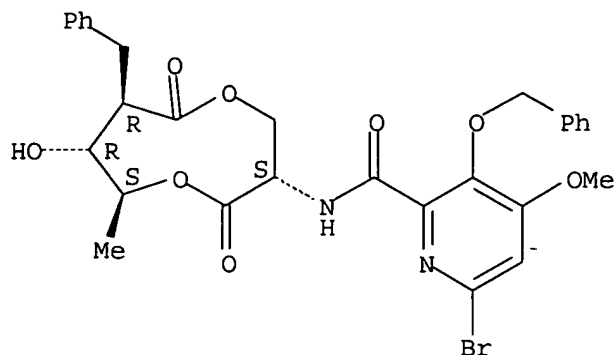
(preparation and fungicidal activity of heterocyclic aromatic amides)

RN 321601-47-2 CAPLUS

CN 2-Pyridinecarboxamide, 6-bromo-N-[(3S,7R,8R,9S)-8-hydroxy-9-methyl-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]-4-methoxy-3-(phenylmethoxy)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

10/647,172



IT 321597-69-7P 321597-70-0P 321597-71-1P

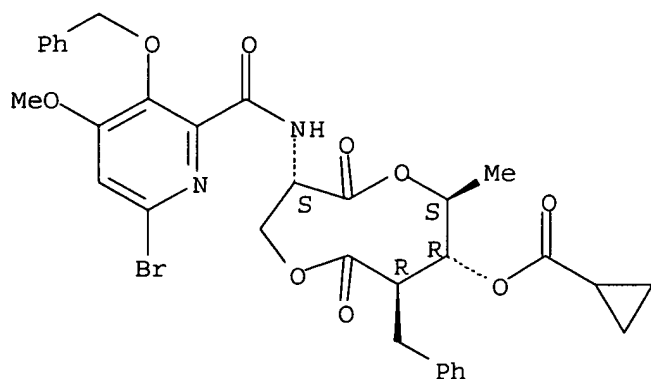
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and fungicidal activity of heterocyclic aromatic amides)

RN 321597-69-7 CAPLUS

CN Cyclopropanecarboxylic acid, (3S,6S,7R,8R)-3-[[[6-bromo-4-methoxy-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

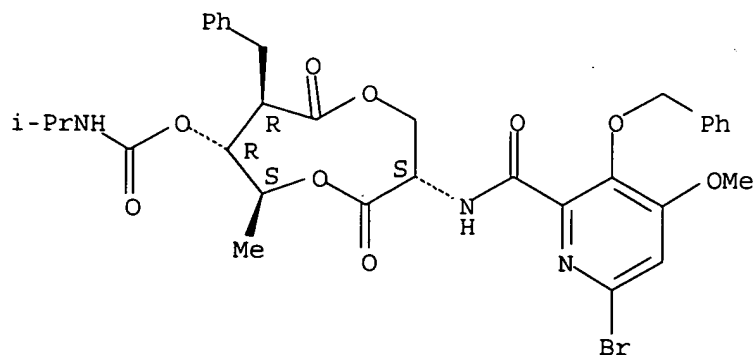
Absolute stereochemistry.



RN 321597-70-0 CAPLUS

CN Carbamic acid, (1-methylethyl)-, (3S,6S,7R,8R)-3-[[[6-bromo-4-methoxy-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

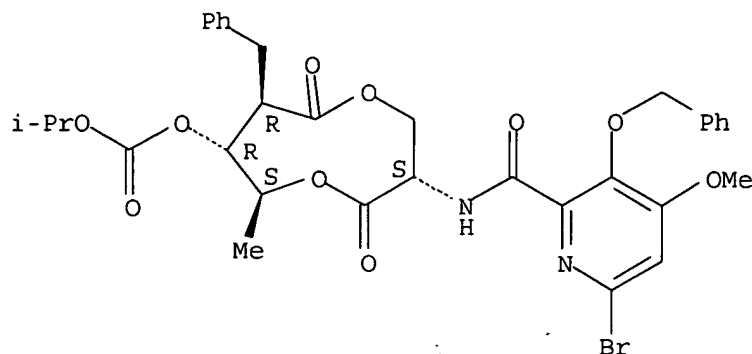


10/647,172

RN 321597-71-1 CAPLUS

CN Carbonic acid, (3S,6S,7R,8R)-3-[[[6-bromo-4-methoxy-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl 1-methylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L19 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1999:511149 CAPLUS

DOCUMENT NUMBER: 131:129825

TITLE: Novel antifungal compounds and process for producing the same

INVENTOR(S): Sakanaka, Osamu; Teraoka, Takeshi; Mitomo, Koichi; Tamura, Takayoshi; Murai, Yasushi; Iinuma, Katsuharu; Kuzuhara, Kikuko; Mikoshiba, Haruki; Taniguchi, Makoto

PATENT ASSIGNEE(S): Meiji Seika Kaisha, Ltd., Japan

SOURCE: PCT Int. Appl., 92 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

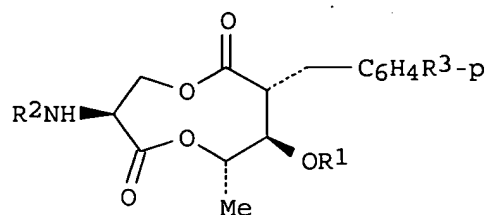
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

date not good

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9940081	A1	19990812	WO 1999-JP541	19990208
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AU 9924398	A1	19990823	AU 1999-24398	19990208
AU 751098	B2	20020808		
EP 1054011	A1	20001122	EP 1999-903901	19990208
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
NZ 506249	A	20030429	NZ 1999-506249	19990208
PRIORITY APPLN. INFO.:			JP 1998-26257	A 19980206
			WO 1999-JP541	W 19990208
OTHER SOURCE(S):	MARPAT 131:129825			
GI				



I

AB The title compds. [I; R1 = iso-Bu, tigloyl, isovaleryl, 2-methylbutanoyl; R2 = H, aromatic acyl, protecting group such substituted benzoyl, substituted nicotinoyl; R3 = H, nitro, amino, acylamino, N,N-dialkylamino; with provisos] are prepared Thus, UK-2A in CH₂Cl₂ containing pyridine and PCl₅ was refluxed for 1.5 h, the reaction mixture was allowed to cool and then reacted with methanol for 15 h to give (2R,3R,4S,7S)-7-amino-2-benzyl-5,9-dioxa-3-isobutyryloxy-4-methyl-1,6-cyclononanedione. In an antifungal test, (2R,3R,4S,7S)-7-(2-hydroxynicotinylamino)-2-benzyl-5,9-dioxa-3-isobutyryl-4-methyl-1,6-cyclononanedione (also prepared) at 0.05 µg showed potency almost double that of UK-2A against *Saccharomyces cerevisiae*.

IT 234112-85-7P 234112-86-8P 234112-89-1P

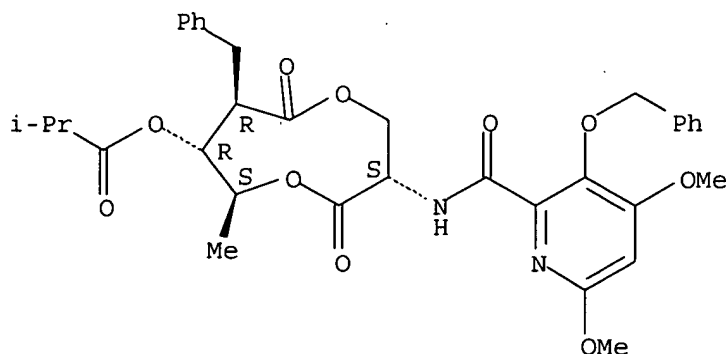
234112-90-4P 234113-05-4P 234113-06-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of UK-2A derivs. as antifungals)

RN 234112-85-7 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[4,6-dimethoxy-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

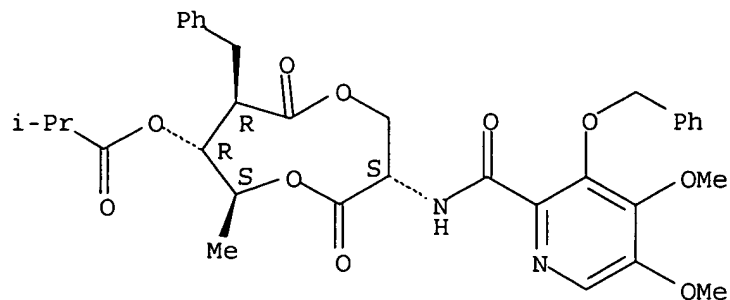


RN 234112-86-8 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[4,5-dimethoxy-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

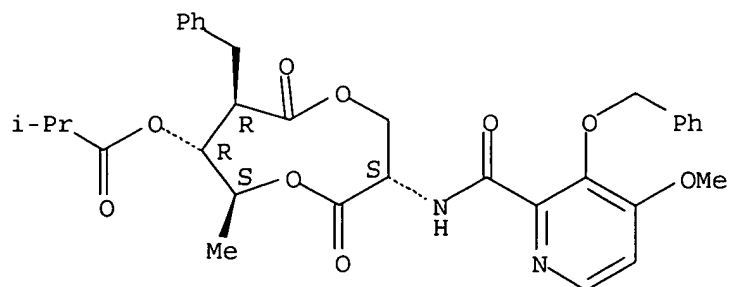
10/647,172



RN 234112-89-1 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[4-methoxy-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

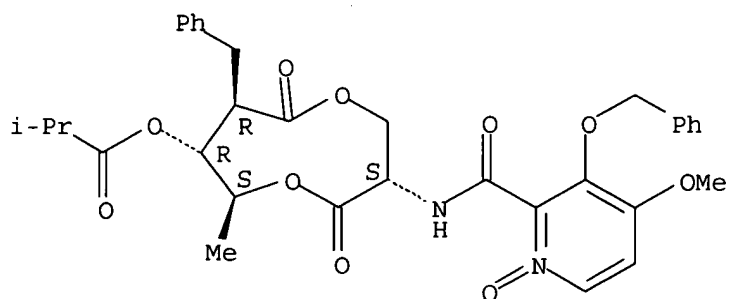
Absolute stereochemistry.



RN 234112-90-4 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[4-methoxy-1-oxido-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

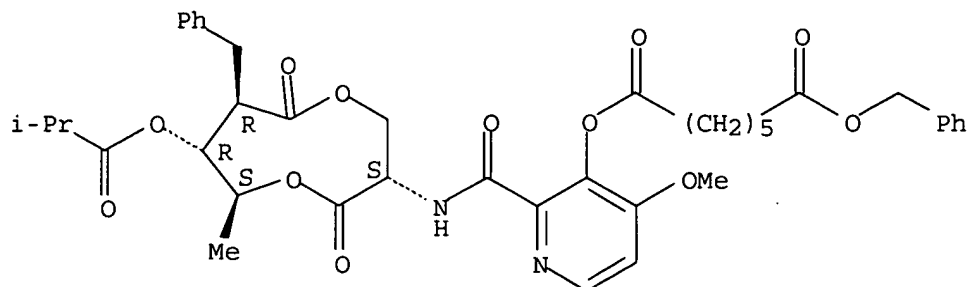


RN 234113-05-4 CAPLUS

CN Heptanedioic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

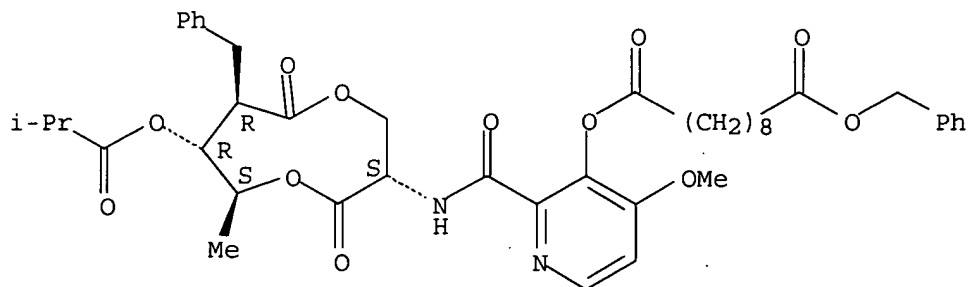
10/647,172



RN 234113-06-5 CAPLUS

CN Decanedioic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 234112-91-5P 234112-93-7P 234112-94-8P
234112-95-9P 234112-96-0P 234112-97-1P
234112-98-2P 234112-99-3P 234113-00-9P
234113-01-0P 234113-02-1P 234113-03-2P
234113-04-3P 234113-07-6P 234113-08-7P
234113-09-8P 234113-10-1P 234113-11-2P
234113-12-3P 234113-30-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

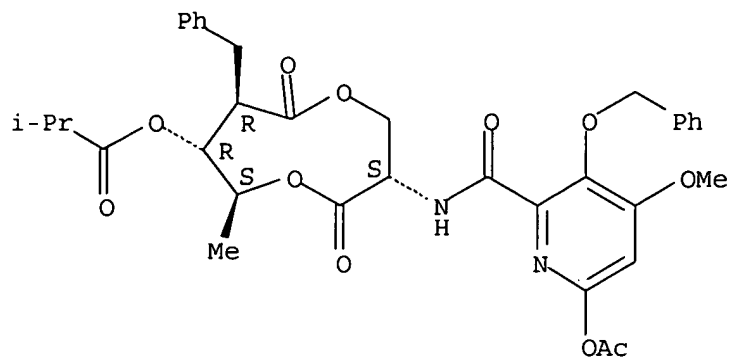
(preparation of UK-2A derivs. as antifungals)

RN 234112-91-5 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[6-(acetyloxy)-4-methoxy-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

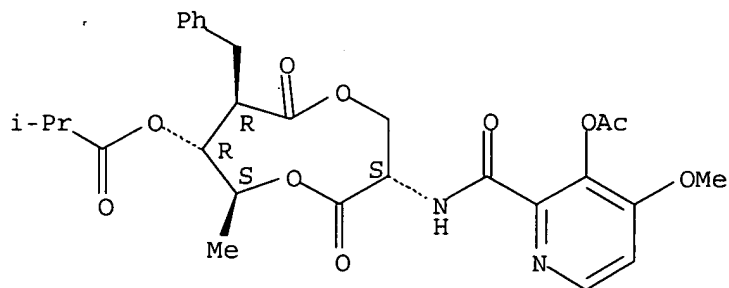
10/647,172



RN 234112-93-7 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[3-(acetyloxy)-4-methoxy-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

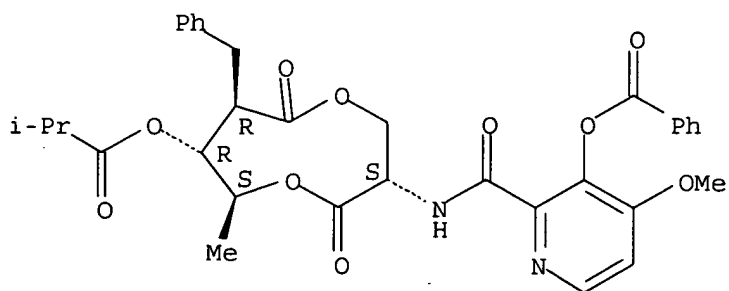
Absolute stereochemistry.



RN 234112-94-8 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[3-(benzoyloxy)-4-methoxy-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

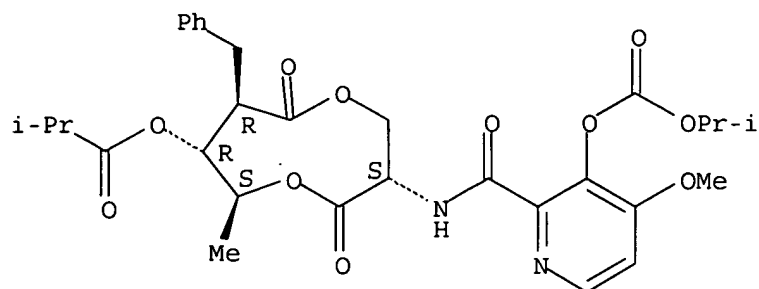


RN 234112-95-9 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[4-methoxy-3-[[[1-methylethoxy]carbonyl]oxy]-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

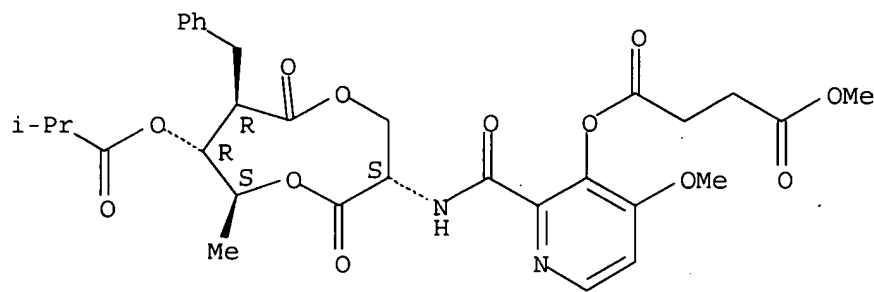
10/647,172



RN 234112-96-0 CAPLUS

CN Butanedioic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl methyl ester (9CI) (CA INDEX NAME)

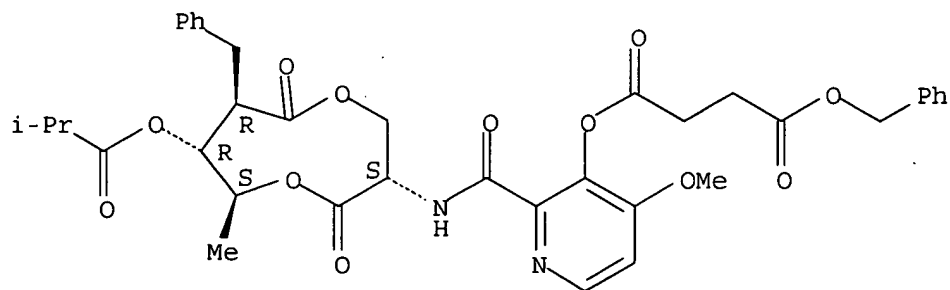
Absolute stereochemistry.



RN 234112-97-1 CAPLUS

CN Butanedioic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

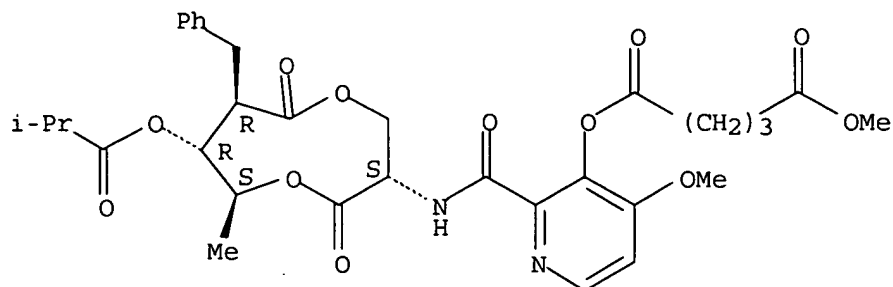


RN 234112-98-2 CAPLUS

CN Pentanedioic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

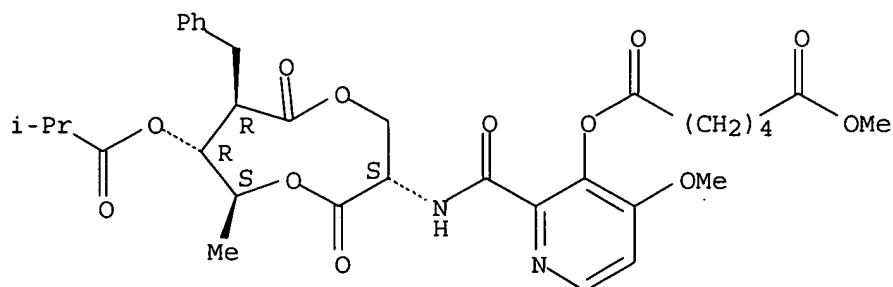
10/647,172



RN 234112-99-3 CAPLUS

CN Hexanedioic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl methyl ester (9CI) (CA INDEX NAME)

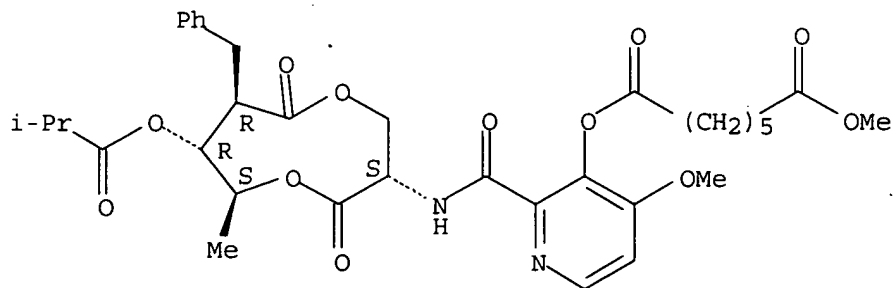
Absolute stereochemistry.



RN 234113-00-9 CAPLUS

CN Heptanedioic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

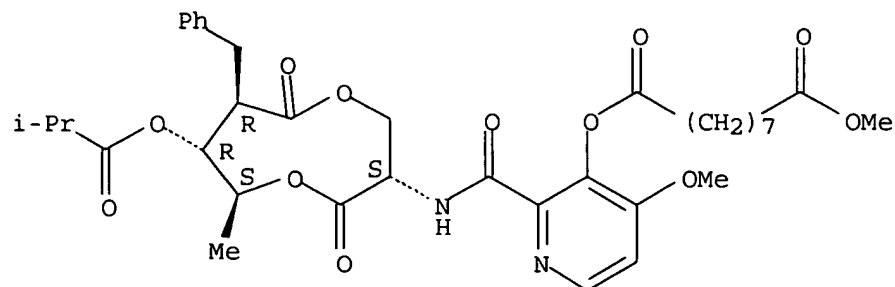


RN 234113-01-0 CAPLUS

CN Nonanedioic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

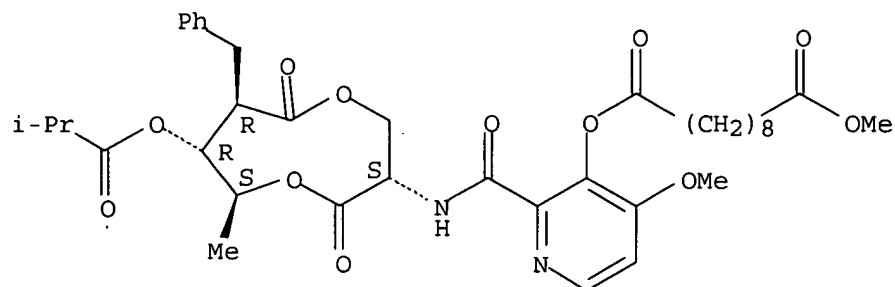
10/647,172



RN 234113-02-1 CAPLUS

CN Decanedioic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl methyl ester (9CI) (CA INDEX NAME)

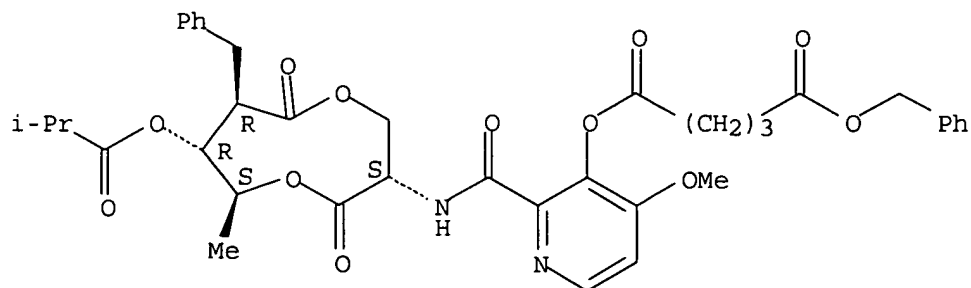
Absolute stereochemistry.



RN 234113-03-2 CAPLUS

CN Pentanedioic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

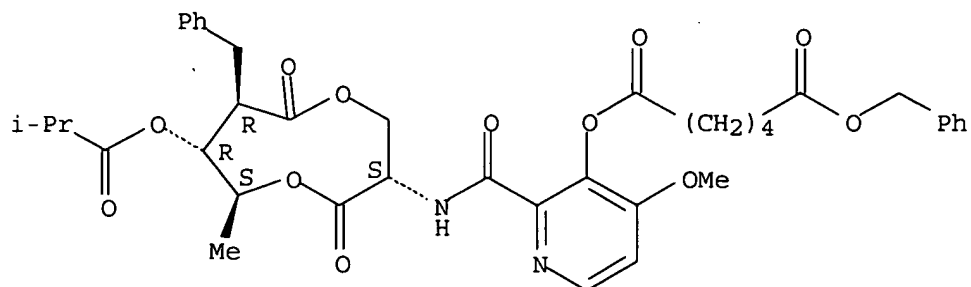


RN 234113-04-3 CAPLUS

CN Hexanedioic acid, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

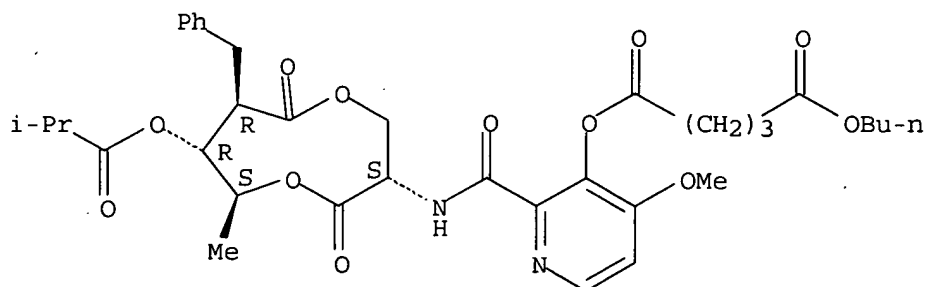
10/647,172



RN 234113-07-6 CAPLUS

CN Pentanedioic acid, butyl 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl ester (9CI) (CA INDEX NAME)

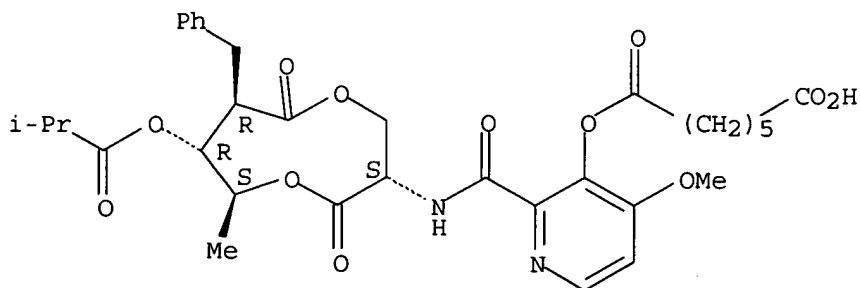
Absolute stereochemistry.



RN 234113-08-7 CAPLUS

CN Heptanedioic acid, mono[4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl] ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

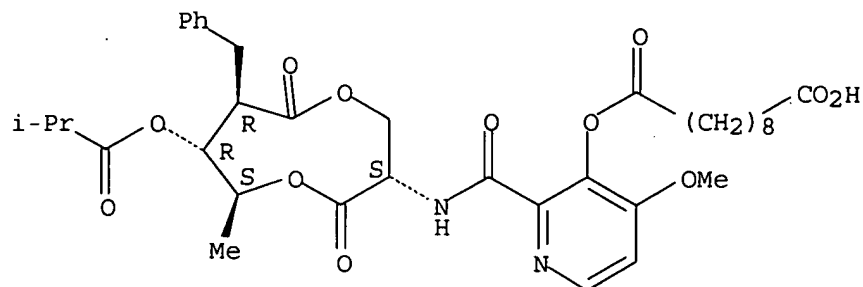


RN 234113-09-8 CAPLUS

CN Decanedioic acid, mono[4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl] ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

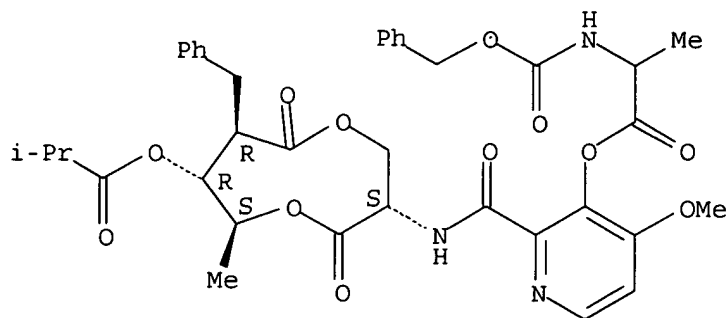
10/647,172



RN 234113-10-1 CAPLUS

CN Alanine, N-[(phenylmethoxy)carbonyl]-, 4-methoxy-2-[[[(3S,7R,8R,9S)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl ester (9CI) (CA INDEX NAME)

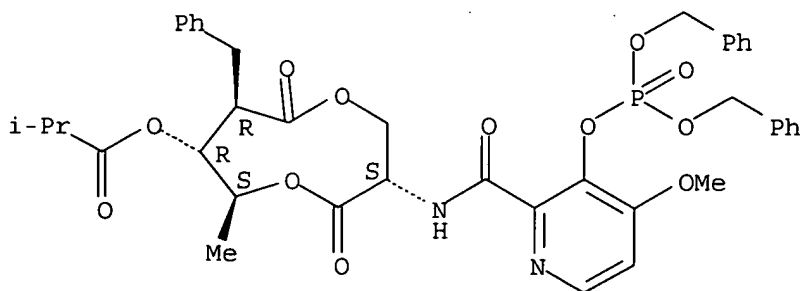
Absolute stereochemistry.



RN 234113-11-2 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[3-[[bis(phenylmethoxy)phosphinyl]oxy]-4-methoxy-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 234113-12-3 CAPLUS

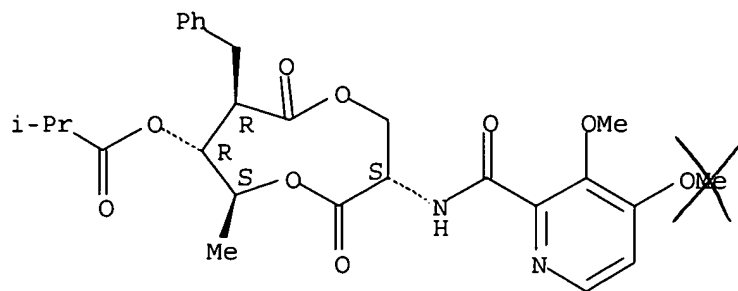
CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[3-[(diethoxyphosphinyl)oxy]-4-methoxy-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10/647,172

[3S-(3R*,6R*,7S*,8S*)] - (9CI) (CA INDEX NAME)

Absolute stereochemistry.



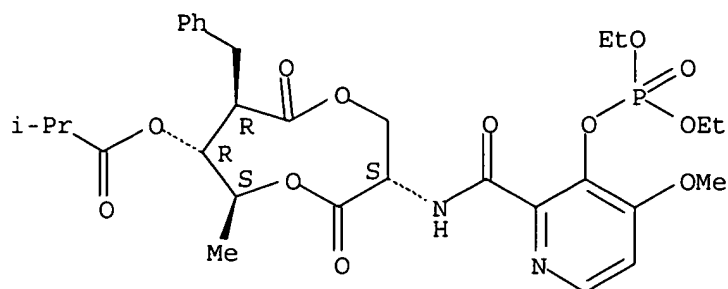
REFERENCE COUNT:

7

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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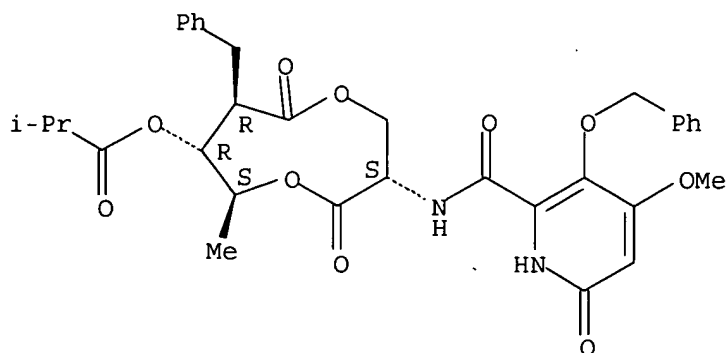
10/647,172



RN 234113-30-5 CAPLUS

CN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[1,6-dihydro-4-methoxy-6-oxo-3-(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1997:16443 CAPLUS

DOCUMENT NUMBER: 126:144017

TITLE: UK-2A, B, C and D, novel antifungal antibiotics from Streptomyces sp. 517-02. II. Structural elucidation

AUTHOR(S): Hanafi, Muhammad; Shibata, Kozo; Ueki, Masashi; Taniguchi, Makoto

CORPORATE SOURCE: Fac. Sci., Osaka City Univ., Osaka, 558, Japan

SOURCE: Journal of Antibiotics (1996), 49(12), 1226-1231

CODEN: JANTAJ; ISSN: 0021-8820

PUBLISHER: Japan Antibiotics Research Association

DOCUMENT TYPE: Journal

LANGUAGE: English

AB UK-2A, UK-2B, UK-2C and UK-2D, novel antibiotics produced by Streptomyces sp. 517-02, exhibit strong antifungal activity. The structures were elucidated based on spectral and chemical evidence that these compds. are the derivs. of the nine-membered dilactone formed from serine and 4-hydroxypentanoic acid moiety.

IT 186528-19-8P, O-Methyl UK 2A

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (structural elucidation of UK-2A, UK-2B, UK-2C and UK-2D, novel antifungal antibiotics from Streptomyces sp. 517-02)

RN 186528-19-8 CAPLUS

CN Propanoic acid, 2-methyl-, 3-[[[3,4-dimethoxy-2-pyridinyl]carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester,